

Lecture slides can be found in <http://info.ee.surrey.ac.uk/Personal/Norman.Poh/web/unica2009/>

Bibliographical notes:

Lecture	Content/References
Lecture 1 16 Oct 2-4pm	Decision theory, generative and discriminative classifiers, density estimation, logistic regression Duda, Hart and Stork: http://rii.ricoh.com/~stork/DHS.html PRML: http://research.microsoft.com/en-us/um/people/cmbishop/prml
Lecture 2 19 Oct 10am-12pm	Naive Bayes, dealing with missing values Multimodal biometric fusion, parametric fusion models: estimating EER and bounding HTER N. Poh and S. Bengio, How Do Correlation and Variance of Base Classifiers Affect Fusion in Biometric Authentication Tasks? , in IEEE Trans. on Signal Processing, Vol. 53(11), pages 4384-4396, Nov 2005. [ps.gz] [pdf] N. Poh and J. Kittler, On Using Error Bounds to Optimize Cost-sensitive Multimodal Biometric Authentication , in the Proc. 17th Int'l Conf. Pattern Recognition (ICPR), 2008. [pdf]
Lecture 3 21 Oct 10am-12pm	Quality-based fusion N. Poh, T. Bourlai, and J. Kittler, Quality-based Score Normalisation with Device Qualitative Information for Multimodal Biometric Fusion , IEEE Trans. on Systems, Man, Cybernetics Part A : Systems and Humans, accepted, 2009. [pdf] N. Poh and J. Kittler, A Family of Methods for Quality-based Multimodal Biometric Fusion using Generative Classifiers , in IEEE 10th International Conference on Control, Automation, Robotics and Vision (ICARCV) pp. 1162-1167, Hanoi, 2008 (<i>invited paper</i>). [pdf]
Lecture 4 23 Oct 10am-12pm	Client-specific fusion N. Poh and J. Kittler, Incorporating Variation of Model-specific Score Distribution in Speaker Verification Systems , IEEE Trans. Audio, Speech and Language Processing, 16(3):594-606, 2008. [pdf]